

1647



1600

#29

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/613,591D

DATE: 10/16/2002

TIME: 15:49:26

RECEIVED

OCT 25 2002

TECH CENTER 1600/2900

Input Set : A:\A-378CIP5 rev.ST25.txt
 Output Set: N:\CRF4\10162002\I613591D.raw

ENTERED

3 <110> APPLICANT: BOYLE, WILLIAM J.
 4 LACEY, DAVID LEE
 5 CALZONE, FRANK J.
 6 CHANG, MING-SHI
 7 SENALDI, GIORGIO
 9 <120> TITLE OF INVENTION: COMBINATION THERAPY FOR CONDITIONS LEADING TO BONE LOSS
 11 <130> FILE REFERENCE: A-378CIP5
 13 <140> CURRENT APPLICATION NUMBER: US 09/613,591D
 14 <141> CURRENT FILING DATE: 2000-07-10
 16 <150> PRIOR APPLICATION NUMBER: US 09/457,647
 17 <151> PRIOR FILING DATE: 1999-12-09
 19 <150> PRIOR APPLICATION NUMBER: US 09/350,670
 20 <151> PRIOR FILING DATE: 1999-07-09
 22 <150> PRIOR APPLICATION NUMBER: US 08/706,945
 23 <151> PRIOR FILING DATE: 1996-09-03
 25 <150> PRIOR APPLICATION NUMBER: US 08/577,788
 26 <151> PRIOR FILING DATE: 1995-12-22
 28 <160> NUMBER OF SEQ ID NOS: 178
 30 <170> SOFTWARE: PatentIn version 3.1
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 36
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Not I restriction site
 40 <220> FEATURE:
 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: (28)..(35)
 43 <223> OTHER INFORMATION: N = any random nucleic acid
 46 <400> SEQUENCE: 1
 47 aaaggaagga aaaaagcggc cgctacannn nnnnnt
 50 <210> SEQ ID NO: 2
 51 <211> LENGTH: 16
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Not I restriction site
 58 <400> SEQUENCE: 2
 59 tgcacccacg cgtccg
 62 <210> SEQ ID NO: 3
 63 <211> LENGTH: 12
 64 <212> TYPE: DNA
 65 <213> ORGANISM: Artificial Sequence

36

16

RAW SEQUENCE LISTING

DATE: 10/16/2002

PATENT APPLICATION: US/09/613,591D

TIME: 15:49:26

Input Set : A:\A-378CIP5 rev.ST25.txt

Output Set: N:\CRF4\10162002\I613591D.raw

```

67 <220> FEATURE:
68 <223> OTHER INFORMATION: Not I restriction site
70 <400> SEQUENCE: 3
71 ggggtgcgcag gc 12
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 18
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Not I restriction site
82 <400> SEQUENCE: 4
83 tgtaaaacga cggccagt 18
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 18
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Not I restriction site
94 <400> SEQUENCE: 5
95 caggaaacag ctatgacc 18
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 20
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Not I restriction site
106 <400> SEQUENCE: 6
107 caattaaccc tcactaaagg 20
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 23
112 <212> TYPE: DNA
113 <213> ORGANISM: Rattus rattus
115 <400> SEQUENCE: 7
116 gcattatgac ccagaaaccg gac 23
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 23
121 <212> TYPE: DNA
122 <213> ORGANISM: Rattus rattus
124 <400> SEQUENCE: 8
125 aggtagcgcc cttcctcaca ttc 23
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 30
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Oligonucleotide primer
136 <400> SEQUENCE: 9
137 gactagtccc acaatgaaca agtggctgtg 30
140 <210> SEQ ID NO: 10

```

RAW SEQUENCE LISTING

DATE: 10/16/2002

PATENT APPLICATION: US/09/613,591D

TIME: 15:49:26

Input Set : A:\A-378CIP5 rev.ST25.txt

Output Set: N:\CRF4\10162002\I613591D.raw

```

141 <211> LENGTH: 45
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Oligonucleotide primer
148 <400> SEQUENCE: 10
149 ataagaatgc ggccgctaaa ctatgaaaca gcccgatgac cattc      45
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 21
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Oligonucleotide primer
160 <400> SEQUENCE: 11
161 gcctctagaa agagctggga c      21
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 21
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Oligonucleotide primer
172 <400> SEQUENCE: 12
173 cgccgtgttc catttatgag c      21
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 24
178 <212> TYPE: DNA
179 <213> ORGANISM: Rattus rattus
181 <400> SEQUENCE: 13
182 atcaaaggca gggcatactt cctg      24
185 <210> SEQ ID NO: 14
186 <211> LENGTH: 24
187 <212> TYPE: DNA
188 <213> ORGANISM: Rattus rattus
190 <400> SEQUENCE: 14
191 gttgcactcc tgtttcacgg tctg      24
194 <210> SEQ ID NO: 15
195 <211> LENGTH: 24
196 <212> TYPE: DNA
197 <213> ORGANISM: Rattus rattus
199 <400> SEQUENCE: 15
200 caagacacct tgaaggcct gatg      24
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 24
205 <212> TYPE: DNA
206 <213> ORGANISM: Rattus rattus
208 <400> SEQUENCE: 16
209 taacttttac agaagagcat cagc      24
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 33

```

RAW SEQUENCE LISTING

DATE: 10/16/2002

PATENT APPLICATION: US/09/613,591D

TIME: 15:49:26

Input Set : A:\A-378CIP5 rev.ST25.txt

Output Set: N:\CRF4\10162002\I613591D.raw

```

214 <212> TYPE: DNA
215 <213> ORGANISM: Rattus rattus
217 <400> SEQUENCE: 17
218 agcgcggccg catgaacaag tggctgtgct gcg 33
221 <210> SEQ ID NO: 18
222 <211> LENGTH: 31
223 <212> TYPE: DNA
224 <213> ORGANISM: Rattus rattus
226 <400> SEQUENCE: 18
227 agctctagag aaacagccca gtgaccattc c 31
230 <210> SEQ ID NO: 19
231 <211> LENGTH: 24
232 <212> TYPE: DNA
233 <213> ORGANISM: Rattus rattus
235 <400> SEQUENCE: 19
236 gtgaagctgt gcaagaacct gatg 24
239 <210> SEQ ID NO: 20
240 <211> LENGTH: 24
241 <212> TYPE: DNA
242 <213> ORGANISM: Rattus rattus
244 <400> SEQUENCE: 20
245 atcaaaggca gggcatactt cctg 24
248 <210> SEQ ID NO: 21
249 <211> LENGTH: 24
250 <212> TYPE: DNA
251 <213> ORGANISM: Homo sapiens
253 <400> SEQUENCE: 21
254 cagatcctga agctgctcag tttg 24
257 <210> SEQ ID NO: 22
258 <211> LENGTH: 33
259 <212> TYPE: DNA
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 22
263 agcgcggccg cggggaccac aatgaacaag ttg 33
266 <210> SEQ ID NO: 23
267 <211> LENGTH: 33
268 <212> TYPE: DNA
269 <213> ORGANISM: Homo sapiens
271 <400> SEQUENCE: 23
272 agctctagaa ttgtgaggaa acagctcaat ggc 33
275 <210> SEQ ID NO: 24
276 <211> LENGTH: 39
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Not I restriction site
283 <400> SEQUENCE: 24
284 atagcggccg ctgagcccaa atcttgtgac aaaactcac 39
287 <210> SEQ ID NO: 25

```

RAW SEQUENCE LISTING

DATE: 10/16/2002

PATENT APPLICATION: US/09/613,591D

TIME: 15:49:26

Input Set : A:\A-378CIP5 rev.ST25.txt

Output Set: N:\CRF4\10162002\I613591D.raw

```

288 <211> LENGTH: 45
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Not I restriction site
295 <400> SEQUENCE: 25
296 tctagagtcg acttatcatt tacccggaga cagggagagg ctctt      45
299 <210> SEQ ID NO: 26
300 <211> LENGTH: 38
301 <212> TYPE: DNA
302 <213> ORGANISM: Mus musculus
304 <400> SEQUENCE: 26
305 cctctgagct caagcttccg aggaccacaa tgaacaag      38
308 <210> SEQ ID NO: 27
309 <211> LENGTH: 43
310 <212> TYPE: DNA
311 <213> ORGANISM: Mus musculus
313 <400> SEQUENCE: 27
314 cctctgcggc cgctaagcag cttattttca cggattgaac ctg      43
317 <210> SEQ ID NO: 28
318 <211> LENGTH: 38
319 <212> TYPE: DNA
320 <213> ORGANISM: Mus musculus
322 <400> SEQUENCE: 28
323 cctctgagct caagcttccg aggaccacaa tgaacaag      38
326 <210> SEQ ID NO: 29
327 <211> LENGTH: 24
328 <212> TYPE: DNA
329 <213> ORGANISM: Homo sapiens
331 <400> SEQUENCE: 29
332 tccgtaagaa acagcccagt gacc      24
335 <210> SEQ ID NO: 30
336 <211> LENGTH: 31
337 <212> TYPE: DNA
338 <213> ORGANISM: Mus musculus
340 <400> SEQUENCE: 30
341 cctctgcggc cgctgttgca tttcctttct g      31
344 <210> SEQ ID NO: 31
345 <211> LENGTH: 19
346 <212> TYPE: PRT
347 <213> ORGANISM: Mus musculus
349 <400> SEQUENCE: 31
351 Glu Thr Leu Pro Pro Lys Tyr Leu His Tyr Asp Pro Glu Thr Gly His
352 1          5          10          15
355 Gln Leu Leu
359 <210> SEQ ID NO: 32
360 <211> LENGTH: 21
361 <212> TYPE: DNA
362 <213> ORGANISM: Mus musculus

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/613,591D

DATE: 10/16/2002
TIME: 15:49:27

Input Set : A:\A-378CIP5 rev.ST25.txt
Output Set: N:\CRF4\10162002\I613591D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 28,29,30,31,32,33,34,35